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(54) Title: METHODS FOR THE PREPARATION OF A FINE CHEMICAL BY FERMENTATION

(57) Abstract: The present invention features methods of increasing the production of a fine chemical, e.g., lysine from a microorganism, e.g., Corynebacterium by way of deregulating an enzyme encoding gene, i.e., lactate dehydrogenase. In a preferred embodiment, the invention provides methods of increasing the production of lysine in Corynebacterium glutamicum by way of the expression of lactate dehydrogenase activity. The invention also provides a novel process for the production of lysine by way of regulating carbon flux towards oxaloacetate (OAA). In a preferred embodiment, the invention provides methods for the production of lysine by way of utilizing fructose or sucrose as a carbon source.

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